

(FILE 'HOME' ENTERED AT 15:30:04 ON 14 JUN 2005)

FILE 'STNGUIDE' ENTERED AT 15:30:32 ON 14 JUN 2005

FILE 'REGISTRY' ENTERED AT 15:30:54 ON 14 JUN 2005

L1 152423 S ZINC
L2 0 S ZINC GLUTAMATE/CN
L3 1 S ZINC/CN
L4 0 S GLUTAMATIC ACID/CN
L5 2 S GLUTAMIC ACID/CN
L6 2 S ASPARTIC ACID/CN
L7 1 S COPPER/CN
L8 1 S MAGNESIUM/CN
L9 1 S COPPER/CN

FILE 'CAPLUS' ENTERED AT 15:41:39 ON 14 JUN 2005
S 7440-50-8/REG# AND 617-45-8/REG#

FILE 'REGISTRY' ENTERED AT 15:42:54 ON 14 JUN 2005
L10 1 S 617-45-8/RN

FILE 'CAPLUS' ENTERED AT 15:42:54 ON 14 JUN 2005
L11 1189 S L10

FILE 'REGISTRY' ENTERED AT 15:42:55 ON 14 JUN 2005
L12 1 S 7440-50-8/RN

FILE 'CAPLUS' ENTERED AT 15:42:55 ON 14 JUN 2005
L13 485870 S L12
L14 66 S L13 AND L11
S 7439-95-4/REG# AND 617-45-8/REG#

FILE 'REGISTRY' ENTERED AT 15:44:13 ON 14 JUN 2005
L15 1 S 617-45-8/RN

FILE 'CAPLUS' ENTERED AT 15:44:13 ON 14 JUN 2005
L16 1189 S L15

FILE 'REGISTRY' ENTERED AT 15:44:13 ON 14 JUN 2005
L17 1 S 7439-95-4/RN

FILE 'CAPLUS' ENTERED AT 15:44:13 ON 14 JUN 2005
L18 206454 S L17
L19 13 S L18 AND L16
S 7439-95-4/REG# AND 617-65-2/REG#

FILE 'REGISTRY' ENTERED AT 15:45:17 ON 14 JUN 2005
L20 1 S 617-65-2/RN

FILE 'CAPLUS' ENTERED AT 15:45:17 ON 14 JUN 2005
L21 924 S L20

FILE 'REGISTRY' ENTERED AT 15:45:17 ON 14 JUN 2005
L22 1 S 7439-95-4/RN

FILE 'CAPLUS' ENTERED AT 15:45:18 ON 14 JUN 2005
L23 206454 S L22
L24 13 S L23 AND L21
S 7440-50-8/REG# AND 617-65-2/REG#

FILE 'REGISTRY' ENTERED AT 15:45:43 ON 14 JUN 2005
L25 1 S 617-65-2/RN

L26 FILE 'CAPLUS' ENTERED AT 15:45:43 ON 14 JUN 2005
 924 S L25

 L27 FILE 'REGISTRY' ENTERED AT 15:45:43 ON 14 JUN 2005
 1 S 7440-50-8/RN

 L28 FILE 'CAPLUS' ENTERED AT 15:45:44 ON 14 JUN 2005
 485870 S L27
 L29 45 S L28 AND L26
 S 7440-66-6/REG# AND 617-65-2/REG#

 L30 FILE 'REGISTRY' ENTERED AT 15:46:18 ON 14 JUN 2005
 1 S 617-65-2/RN

 L31 FILE 'CAPLUS' ENTERED AT 15:46:18 ON 14 JUN 2005
 924 S L30

 L32 FILE 'REGISTRY' ENTERED AT 15:46:18 ON 14 JUN 2005
 1 S 7440-66-6/RN

 L33 FILE 'CAPLUS' ENTERED AT 15:46:18 ON 14 JUN 2005
 277326 S L32
 L34 10 S L33 AND L31
 S 7440-66-6/REG# AND 617-45-8/REG#

 L35 FILE 'REGISTRY' ENTERED AT 15:46:33 ON 14 JUN 2005
 1 S 617-45-8/RN

 L36 FILE 'CAPLUS' ENTERED AT 15:46:33 ON 14 JUN 2005
 1189 S L35

 L37 FILE 'REGISTRY' ENTERED AT 15:46:33 ON 14 JUN 2005
 1 S 7440-66-6/RN

 L38 FILE 'CAPLUS' ENTERED AT 15:46:33 ON 14 JUN 2005
 277326 S L37
 L39 21 S L38 AND L36
 L40 75 S L19 OR L24 OR L29 OR L34 OR L39
 L41 67 S L40 AND PY<2002
 L42 2 S L41 AND FEED?
 L43 0 S L41 AND ANIMAL FEED?
 L44 1 S L41 AND ANIMAL
 L45 2 S L42 OR L44

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L45 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1997:722305 CAPLUS

DOCUMENT NUMBER: 127:350620

TITLE: Biomass production from **animal**
manure-solubles

AUTHOR(S): Celan, S.; Korosec, A.; Perdih, A.; Luhrs, P.;
Grojcic, O.

CORPORATE SOURCE: Bistra, Bureau Strategic Technological Development,
Belg.

SOURCE: Mededelingen - Faculteit Landbouwkundige en Toegepaste
Biologische Wetenschappen (Universiteit Gent) (
1997), 62(4b), 1841-1848

CODEN: MFLBER

PUBLISHER: Universiteit Gent, Faculteit Landbouwkundige en
Toegepaste Biologische Wetenschappen

DOCUMENT TYPE: Journal

LANGUAGE: English

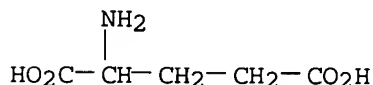
AB The advantage of the aerobic fermentation of the liquid manure, is the
incorporation of C, N and P into microbial proteins that can be used as a
protein supplement in **animal** food. From 1 m3 of liquid manure we
can get 38-48 kg dry substance containing .apprx.63% of crude proteins. Tests
have shown that metals are used up at the formation of proteins. The
water, from which we removed the biomass containing those proteins, contained
very low concns. of harmful elements and can be used for the cleaning of
stables.

IT 617-65-2, Glutamic acid

RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL
(Biological study); FORM (Formation, nonpreparative)
(biomass production from **animal** manure-solubles)

RN 617-65-2 CAPLUS

CN Glutamic acid (9CI) (CA INDEX NAME)



IT 7440-50-8, Copper, processes 7440-66-6, Zinc, processes

RL: REM (Removal or disposal); PROC (Process)
(biomass production from **animal** manure-solubles)

RN 7440-50-8 CAPLUS

CN Copper (7CI, 8CI, 9CI) (CA INDEX NAME)

Cu

RN 7440-66-6 CAPLUS

CN Zinc (7CI, 8CI, 9CI) (CA INDEX NAME)

Zn

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1975:138089 CAPLUS

DOCUMENT NUMBER: 82:138089

TITLE: Magnesium balance in acute magnesium deficiency after

parenteral administration of magnesium chloride and magnesium aspartate. Long-term studies in rats

AUTHOR(S): Kaczmarczyk, G.; Riedel, J.; Udes, H.; Reinhardt, H. W.; Ligner, Ch.

CORPORATE SOURCE: Klin. Westend, Freie Univ. Berlin, Berlin, Fed. Rep. Ger.

SOURCE: Verhandlungen der Deutschen Gesellschaft fuer Innere Medizin (1974), 80, 1274-7
CODEN: VDGIA2; ISSN: 0070-4067

DOCUMENT TYPE: Journal

LANGUAGE: German

AB Decreased plasma Mg (to 0.5 mequiv/l.; control 1.64), decreased Mg in cerebrospinal fluid and femur, and decreased plasma K were observed in Mg deficient rats. The type of anion with parenterally administered Mg was not very important in the transfer of Mg across the concentration gradient into the cerebrospinal fluid. After 48 hr, retention of parenterally administered MgCl₂, Mg DL-aspartate, Mg L-aspartate, and K Mg DL-aspartate was 45, 37, 50, and 59%, resp.

IT 7439-95-4, biological studies
RL: BIOL (Biological study)
(deficiency of, magnesium salts in repletion of)

RN 7439-95-4 CAPLUS

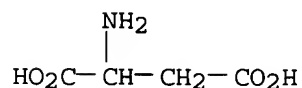
CN Magnesium (8CI, 9CI) (CA INDEX NAME)

Mg

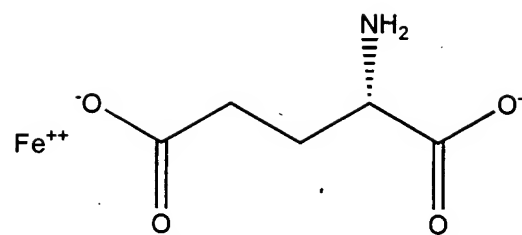
IT 617-45-8D, DL-Aspartic acid, magnesium complex
RL: BIOL (Biological study)
(magnesium repletion by, in magnesium deficiency)

RN 617-45-8 CAPLUS

CN Aspartic acid (9CI) (CA INDEX NAME)



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ferrous glutamate